



## **Grooming Cross Country Ski Trails**

**Have you ever wondered why there is snow on today's grooming. Or why the trail grooming at Telemark can get poor, or stops altogether, when Telemark receives wet snow, or the snow becomes wet from warm weather or rain.**

**At Telemark we endeavor to groom once a day, early in the morning when the trails are more likely to be below freezing. Grooming costs our non-profit volunteer run sport club \$ 275 an hour. It is by far our largest single expense. We do not have the grooming team on call during the day to come in case it snows, or if a particular trail is well used, as it is very expensive and more likely to render poor results if warm. We do not groom when the snow is not frozen such as in the afternoon as there will be poor results (see below).**

**Wet snow is a problem for cross country trail groomers. If you ball snow in your fist and it sticks together, and/or water drips out from between your fingers, it is wet. If grooming occurs in these conditions, even with a high quality grooming machine like Telemark's Piston Bully Edge, the tiller on the back will not shape the snow. The snow can clog the tiller and stick to a large metal cylinder in the tiller that creates the corduroy effect on the trails. You will notice a groove and balls of snow in the middle of trail when this has happened. The classic tracks will also be weak. Grooming with a snowmobile by pulling the normal grooming attachments will not shape the trail snow as the snow sticks to the grooming devices. (Much like wet snow sticks to the bottom of your skis if you don't wax them.)**

**A problem also occurs if there is a change in the weather pattern when the snow is wet. Warm weather (or rain) saturates the snow with water. If the temperature drops below zero the wet snow freezes. The shape of the frozen trails will not change until the next warm weather. At Telemark we try to minimize this problem by using a renovator, a steel blade with long teeth that is lowered a few inches under the previously groomed trail to rip out ice before the tiller on the back shapes the trail.**

**All cross country trail groomers in Canada have the same problems when they have wet snow. You will not see this happening as often at cross country ski clubs that are higher because the snow does not get wet as often, due to generally colder temperatures at higher elevations. For example, Sovereign Lakes is 2000 feet higher in elevation than Telemark.**

**The Telemark grooming team has many, many years of experience grooming cross country ski trails, they have attended a program in cross country grooming by Cross Country Canada, and are equipped with the most modern grooming equipment. They are doing all they can to provide top notch grooming, but are limited by weather conditions like wet snow, and must consider the cost of grooming.**